

Form PTO-1390  
(Rev. 12-2004)

US PATENT AND TRADEMARK OFFICE; US DEPARTMENT OF COMMERCE

ATTORNEY'S DOCKET NO.  
**C 2658 PCT/US****TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A SUBMISSION UNDER 35 U.S.C. 371**

U.S. APPLICATION NO. (if known see 37 CFR 1.5)

**10/526956**INTERNATIONAL APPLICATION NO.  
**PCT/EP2003/009605**INTERNATIONAL FILING DATE  
**August 29, 2003**PRIORITY DATE CLAIMED  
**September 7, 2002**

## TITLE OF INVENTION

**SYSTEM AND METHOD FOR CARRYING OUT A DISCONTINUOUS RECTIFICATION OR  
REACTION**

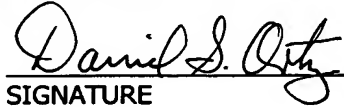
## APPLICANT(S) FOR DO/EO/US

**Georg Fieg, Thomas Kapala**

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a submission under 35 U.S.C. 371.
  2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a submission under 35 U.S.C. 371.
  3. ☐ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
  4. ☐ The US has been elected (Article 31).
  5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
    - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
    - b. ☒ has been communicated by the International Bureau.
    - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
  6. ☒ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
    - a. ☒ is attached hereto.
    - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
  7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
    - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
    - b. ☐ have been communicated by the International Bureau.
    - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
    - d. ☒ have not been made and will not be made.
  8. ☐ A English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
  9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). **(COPY OF PCT REQUEST EXECUTED BY ALL INVENTORS)**
  10. ☐ A English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).
- Items 11 to 20 below concern document(s) or information included:**
11. ☒ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
  12. ☒ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
  13. ☒ A preliminary amendment.
  14. ☐ An Application Data Sheet under 37 CFR 1.76.
  15. ☐ A substitute specification.
  16. ☒ A power of attorney and/or change of address letter.
  17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821-1.825.
  18. ☐ A second copy of the published International Application under 35 U.S.C. 154(d)(4).
  19. ☐ A second copy of the English language translation of the International application under 35 U.S.C. 154(d)(4).
  20. ☒ Other items or information:

**Drawings (5)****International Search Report (with Information Disclosure Citation and References)****"Express Mail Post Office to Addressee" service Mailing Label Number EV530259883US.**

U.S. Application No. (If known, see 37 CFR 1.5) <b>10/526956</b>		INTERNATIONAL APPLICATION NO. <b>PCT/EP2003/009605</b>		ATTORNEY'S DOCKET NUMBER <b>C 2658 PCT/US</b>	
The following fees have been submitted				<b>CALCULATIONS</b>	<b>PTO USE ONLY</b>
21. ■ Basic national fee..... <b>\$300</b>				\$ 300	
22. ■ Examination fee If international preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4)..... <b>\$100</b> All other situations..... <b>\$200</b>				\$ 200	
23. ■ Search fee Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an: International Searching Authority..... <b>\$100</b> International Search Report prepared and provided to the Office..... <b>\$400</b> All other situations..... <b>\$500</b>				\$ 400	
<b>TOTAL OF 21, 22 and 23 =</b>				<b>\$ 900</b>	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is <b>\$250</b> for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
20 - 100 =	0/50 =	0	x <b>\$250.00</b>	\$ 0	
Surcharge of <b>\$130.00</b> for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).				\$ 0	
<b>CLAIMS</b>	<b>NUMBER FILED</b>	<b>NUMBER EXTRA</b>	<b>RATE</b>		
Total Claims	15 - 20 =	0	0 X <b>\$50.00</b>	\$ 0	
Independent Claims	1 - 3 =	0	0 X <b>\$200.00</b>	\$ 0	
MULTIPLE DEPENDENT CLAIMS (S) (if applicable)			0 + <b>\$360.00</b>	\$ 0	
<b>TOTAL OF ABOVE CALCULATIONS =</b>				<b>\$ 900</b>	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				\$ 0	
<b>SUBTOTAL =</b>				<b>\$ 900</b>	
Processing fee of <b>\$130.00</b> for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				\$ 0	
<b>TOTAL NATIONAL FEE =</b>				<b>\$ 900</b>	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). <b>\$40.00</b> per property				\$ 0	
<b>TOTAL FEES ENCLOSED =</b>				<b>\$ 900</b>	
				Amount to be refunded:	\$-----
				Amount to be charged:	<b>\$900.00</b>
a. <input type="checkbox"/> A check in the amount of \$_____ to cover the above fees is enclosed. b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. <u>50-1177</u> in the amount of <b>\$900.00</b> to cover the above fees. A triplicate copy of this sheet is enclosed. Order No. <u>05-0093</u> . c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>50-1177</u> . A triplicate copy of this sheet is enclosed. d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. <b>Credit card information should not be included on this form.</b> Provide credit card information and authorization on PTO-2038. <b>NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the International Application to pending status.</b>					
SEND ALL CORRESPONDENCE TO: <b>Customer Label No. 23657</b>					
 SIGNATURE					
Daniel S. Ortiz NAME ATTORNEY FOR APPLICANT <u>25,123</u> REGISTRATION NUMBER					